



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: NM 1013

Official #: D963779

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Shipyard: HBC BARGE, INC.

Hull #: 8790

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
		Group No	Exc				

Authorized Subchapter O Cargoes

Ammonium bisulfite solution (70% or less)	ABX	43	Y		III		.50-73, .56-1(a), (b), (c)
Acrylonitrile	ACN	15	Y	C	II		.50-70(a), .55-1(e)
Acetone cyanohydrin	ACY	0	Y	E	I		.50-5, .50-70(b), .50-73, .50-81
Adiponitrile	ADN	37	N	E	II		No
Aminoethylethanolamine	AEE	8	N	E	III		.55-1(b)
Anthracene oil (Coal tar fraction)	AHO	33	N		II		No
Alkyl(C7-C9) nitrates	AKN	34	Y		III		.50-81, .50-86
Allyl alcohol	ALA	15	Y	C	I	T	.50-5, .50-73
Allyl chloride	ALC	15	N	B	I		.50-5
Ammonium hydroxide (28% or less NH3)	AMH	6	N		III		.56-1(a), (b), (c), (f), (g)
Aniline	ANL	9	N	E	I	T	.50-5, .50-73
Acetonitrile	ATN	37	N	C	III	T	No
Butyraldehyde (all isomers)	BAE	19	N	C	III		.55-1(h)
Butyl acrylate (all isomers)	BAR	14	N	D	III		.50-70(a), .50-81(a), (b)
Benzene hydrocarbon mixtures (containing Acetylenes)(having 10% Benzene or more)	BHA				III	V	.50-60, .56-1(b), (d), (f), (g)
Benzene hydrocarbon mixtures (having 10% Benzene or more)	BHB	32	N		III	V	.50-60
Butyl methacrylate	BMH	14	N	D	III		.50-70(a), .50-81(a), (b)
Benzene	BNZ	32	N	C	III	V	.50-60
Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	BTX	32	N	B/C	III	V	.50-60
Carbolic oil	CBO	21	N	E	I		.50-5, .50-73
Carbon tetrachloride	CBT	36	N		III		No
Cyclohexanone	CCH	18	N	D	III		.56-1(a), (b)
Creosote (all isomers)	CCW	21	Y	E	III		No
Cyclohexylamine	CHA	7	N	D	III		.56-1(a), (b), (c), (g)
Chlorohydrins (crude)	CHD	17	N	D	I		.50-5
Camphor oil	CPO	18	N	D	II		No
Caustic potash solution	CPS	5	Y		III		.50-73, .55-1(j)
Chlorobenzene	CRB	36	N	D	III	V	No
Chloroform	CRF	36	N	E	III		No
Cresols	CRS	21	N	E	III		No
Cresylic acid tar	CRX	21	N		III		.55-1(f)
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	N	D	III	V	.50-60, .56-1(b)
Cresylate spent caustic	CSC	5	N		III		.50-73, .55-1(b)
Caustic soda solution	CSS	5	Y		III		.50-73, .55-1(j)
Crotonaldehyde	CTA	19	Y	C	II		.55-1(h)
Coal tar pitch (molten)	CTP	33	N	E	III		.50-73
N,N-Dimethylacetamide	DAC	10	N	E	III		.56-1(b)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0	Y		III		.56-1(a), (b), (c), (g)
Diisobutylamine	DBU	7	N	D	III		.55-1(c)
Dichlorobenzenes (all isomers)	DBX	36	N	E	III		.56-1(a), (b)
1,1-Dichloroethane	DCH	36	N	C	III		No
Dichloromethane	DCM	36	N	NF	III		No
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)	DDA	0	Y	NF	III		.55-1(b)
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	N		III		.56-1(a), (b), (c), (g)
Diethanolamine	DEA	8	N	E	III		.55-1(c)
2,2'-Dichloroethyl ether	DEE	41	N	D	II		.55-1(f)
Diethylamine	DEN	7	N	C	III	T	.55-1(c)
Diethylenetriamine	DET	7	Y	E	III		.55-1(c)



Department of Transportation
United States Coast Guard

Serial #: VN90006374
COI Ref: 16-Mar-01

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Shipyard: HBC BARGE, I
Hull #: 8790

Cargo Identification							Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction	
		Group	Exc					
Diisopropylamine	DIA	7	N	C	II	T	.55-1(c)	
Diisopropanolamine	DIP	8	N	E	III		.55-1(c)	
Dimethylethanolamine	DMB	8	N	D	III		.56-1(b), (c)	
Dimethylformamide	DMF	10	N	D	III	V	.55-1(e)	
Dichloropropene, Dichloropropane mixtures	DMX	15	N		II		No	
Di-n-propylamine	DNA	7	N	C	II		.55-1(c)	
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	N	E	III		.56-1(b)	
1,1-Dichloropropane	DPB	36	N	C	III		No	
1,3-Dichloropropane	DPC	36	N	C	III		No	
1,2-Dichloropropane	DPP	36	N	C	III		No	
1,3-Dichloropropene	DPU	15	N	D	II		No	
2,4-Dichlorophenoxyacetic acid, triisopropanolaminesalt solution	DTI	43	Y		III		.56-1(a), (b), (c), (g)	
Ethyl acrylate	EAC	14	N	C	III	V	.50-70(a), .50-81(a), (b)	
2-Ethylhexyl acrylate	EAI	14	N	E	III		.50-70(a), .50-81(a), (b)	
Ethylamine solution (72% or less)	EAN	7	N	A	II		.55-1(b)	
N-Ethylbutylamine	EBA	7	N	C	III		.55-1(b)	
N-Ethylcyclohexylamine	ECC	7	N	D	III		.55-1(b)	
Ethylene chlorohydrin	ECH	20	N	D	I		.50-5, .50-73	
Ethylenediamine	EDA	7	Y	D	III	V	.55-1(c)	
Ethylene dichloride	EDC	36	Y	C	III	V	No	
Ethylene glycol propyl ether	EGP	40	N	E	III		No	
Ethylidene norbornene	ENB	30	Y	D	II		.50-5, .50-74	
2-Ethyl-3-propylacrolein	EPA	19	Y	E	III		No	
Epichlorohydrin	EPC	17	N	D	I	T	.50-5	
Ethylene cyanohydrin	ETC	20	N	E	III		No	
Ethyl methacrylate	ETM	14	N	C	III		.50-70(a)	
Furfural	FFA	19	N	E	III	V	.55-1(h)	
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	III		.55-1(h)	
Glutaraldehyde solution (50% or less)	GTA	19	N	NF	III		No	
2-Hydroxyethyl acrylate	HAI	0	Y	E	I		.50-5, .50-70(a), .50-73, .50-81(a), (b)	
Hexamethylenediamine solution	HMC	7	N	E	III		.55-1(c)	
Hexamethyleneimine	HMI	7	N	C	II		.56-1(b), (c)	
Isodecyl acrylate	IAI	14	N	E	III		.50-70(a), .50-81(a), (b), .55-1(c)	
Isoprene, Pentadiene mixture	IPN	30	N	A	III		.50-70(a), .55-1(c)	
iso-Propylamine	IPP	7	N	A	II		.55-1(c)	
Isoprene	IPR	30	N	A	III		.50-70(a), .50-81(a), (b)	
Kraft pulping liquors (free alkali content 3% or more)	KPL	5	N		III		.50-73, .56-1(a), (c), (g)	
Methyl acrylate	MAM	14	N	C	III	V	.50-70(a), .50-81(a), (b)	
Methylcyclopentadiene dimer	MCK	30	N	C	III		No	
Methyl diethanolamine	MDE	8	N	E	III		.56-1(b), (c)	
Ethanolamine	MEA	8	N	E	III		.55-1(c)	
2-Methyl-5-ethylpyridine	MEP	9	N	E	III		.55-1(e)	
Methyl methacrylate	MMM	14	N	C	III	V	.50-70(a), .50-81(a), (b)	
iso-Propanolamine	MPA	8	N	E	III		.55-1(c)	
Morpholine	MPL	7	Y	D	III		.55-1(c)	
2-Methylpyridine	MPR	9	N	D	III		.55-1(c)	
Mesityl oxide	MSO	18	Y	D	III		No	
alpha-Methylstyrene	MSR	30	N	D	III		.50-70(a), .50-81(a), (b)	
Coal tar naphtha solvent	NCT	33	N	D	III		.50-73	
1- or 2-Nitropropane	NPM	42	N	D	III		.50-81	

*** This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection. ***



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		Group No	Exc				
Nitrobenzene	NTB	42	N	E	I		.50-5, .50-73
Phthalic anhydride (molten)	PAN	11	N	E	III		No
Propanolamine (iso-, n-)	PAX	8	N	E	III		.56-1(b), (c)
Pentachloroethane	PCE	36	N		III		No
1,3-Pentadiene	PDE	30	N	A	III		.50-70(a), .50-81
Polyethylene polyamines	PEB	7	Y	E	III		.55-1(e)
Perchloroethylene	PER	36	N	NF	III		No
Pyridine	PRD	9	N	C	III		.55-1(e)
Sodium aluminate solution (45% or less)	SAU	5	N		III		.50-73, .56-1(a), (b), (c)
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	III		.50-73
Sodium dichromate solution (70% or less)	SDL	0	Y	NF	II		.50-5(d), .50-73, .56-1(b), (c)
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0	Y		III		.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0	Y		III		.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0	Y		II		.50-73, .55-1(b)
Styrene (crude)	STX	30	N	C	III		No
Styrene	STY	30	N	D	III	V	.50-70(a), .50-81(a), (b)
Trichloroethylene	TCL	36	Y		III	V	No
1,1,2-Trichloroethane	TCM	36	N		III		.50-73, .56-1(a)
1,2,3-Trichloropropane	TCN	36	N	E	II		.50-73, .56-1(a)
Triethanolamine	TEA	8	Y	E	III		.55-1(b)
1,1,2,2-Tetrachloroethane	TEC	36	N	NF	III		No
Triethylamine	TEN	7	N	C	II		.55-1(e)
Triethylenetetramine	TET	7	Y	E	III		.55-1(b)
Tetrahydrofuran	THF	41	N	C	III		.50-70(b)
Triphenylborane (10% or less), caustic soda solution	TPB	5	N		III		.56-1(a), (b), (c)
Tetraethylenepentamine	TTP	7	N	E	III		.55-1(c)
Urea, Ammonium nitrate solution (containing more than 2% Ammonia)	UAS	6	N		III		.56-1(b)

Explanation of terms & symbols used in the Table:

Cargo Identification

Name	The proper shipping name as listed in 46 CFR Table 151.05.
Chem Code	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.
Compatibility Group No.	The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.
Exceptions (Exc)	Indication of whether or not there are exceptions to the compatibility chart for the given cargo. See Appendix I to 46 CFR Part 150.
Grade	The cargo classification assigned to each flammable or combustible liquid. Grades inside of "{" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo. Flammable liquid cargoes, as defined in 46 CFR 30-10.22. Combustible liquid cargoes, as defined in 46 CFR 30-10.15. Those subchapter O cargoes which are not classified as a flammable or combustible liquid. No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available.
A, B, C D, E NA, NF #	
Hull Type	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1. I Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1). II Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3). III Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).

Conditions of Carriage

Note	See Certificate of Inspection for explanation of symbols used in this column.
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